Spoonacular User Manual

* **Ingredients**

These are the list of ingredients like apple, eggs, banana, corn flour etc. using which the user search for recipes online that contains some of these supplied ingredients. The recipes may also contain some other ingredients apart from the ones the user supplied.

* **Recipe**

A Recipe is a set of instructions for preparing a particular dish. In this application, the recipe information is represented by food item / dish and the instructions to prepare the dish. Recipes for some dishes may be unavailable and are shown as “N/A”.

At a particular instance, the user can view a single recipe and press “n” to get the next recipe for the ingredients supplied.

* **Shopping Cart**
  + A shopping cart maintains the list of missing ingredients pertaining to recipes that the user likes.
  + Each item in the cart includes missing ingredient name, aisle, amount (quantity), and cost (in cents). The cost is computed as per the quantity required by the recipe. For example, if puff pastry costs 245 cents for 1 unit and if 8 units of puff pastries are required to make an Apple and Cinnamon Danish Pastry, the cost amounts to 1960 cents.
  + Total estimated cost (in $) equals to the total cost of all the missing ingredients listed so far in the cart based on the recipes liked.
  + Limitation: The amount does not show the unit in which the ingredient needs to be bought.
* **Actions**
  + **Finding recipes**
    - The user can find recipes by entering list of ingredients available at their disposal.
    - If no ingredients provided, the application does not check for any recipes and displays an appropriate message “Invalid input” and lets the user enter the ingredients again or exit from the system.
    - If the user enters ingredients which only includes special symbols, the application does not check for any recipes and displays an appropriate message “Invalid input” and lets the user enter the ingredients again or exit from the system.
    - If the user enters ingredients for which there are no recipes available, the application does not check for any recipes and displays an appropriate message “no results found for the given input” and lets the user enter the ingredients again or exit from the system.
  + **Checking the shopping cart having the list of missing ingredients**
    - The user can press “s” to check the cart having the missing ingredients added so far.
    - The list contains unique missing ingredients. If the missing ingredients have already appeared in the previously liked recipes, the amount and cost gets updated for that item in the list.
  + **Exit**

It is one of the menu items that lets the user exit from the system.